Table 3-9a
Ecological Preliminary Remediation Goals
Based on Low Toxicity Reference Value and Hazard Quotient of 1
Upland Areas - Soil
Investigation Area H1 Feasibility Study
Mare Island, Vallejo, California

Analyte[1]	Western Meadowlark (mg/kg)	California Vole (mg/kg)	Ornate Shrew (mg/kg)	Gray Fox (mg/kg)	Northern Harrier (mg/kg)	PRG[4] (mg/kg)
Inorganics						
Antimony	--	13	0.80	4.2	--	0.80
Arsenic[3]	19	71	0.70	1002	28875	0.70
Cadmium[3]	0.16	13	0.073	188	420	0.073
Chromium[3]	44	532	34	3894	2959	33.7
Cobalt	327	266	163	3758	39953	163
Copper [2]	29	592	26	627	240	26
Lead [2]	0.22	147	13	137	0.83	0.22
Manganese[3]	1573	1376	283	42902	407400	283
Mercury	1.7	55	34	783	205	1.7
Molybdenum	11	0.40	35	814	18375	0.40
Nickel[3]	59.2	29	18	416	7245	18
Selenium [2]	0.37	11	0.048	0.71	1.4	0.048
Silver	26	83	0.032	1174	934500	0.032
Thallium	15	106	65	41	13	13
Vanadium[3]	248	47	4.5	658	59850	4.5
Zinc [2]	128	379	52	741	567	52.2
Organics						
PCBs [2]	0.091	8.6	0.22	1.7	0.18	0.091
DDTs [2]	0.004	0.28	0.45	65	0.31	0.004
Benzo(a)anthracene	--	--	--	--	--	--
Benzo(a)pyrene[3]	0.036	290	84	4102	5.3	0.036
Benzo(b)fluoranthene	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--

Notes:
-- = No TRV available for this chemical
COEC = chemical of ecological concern
HQ = hazard quotient
NA = Not available
TRV = toxicity reference value

1 - Chemicals listed in this table were identified as exhibiting at least one concentration that was considered a data outliers and/or risk drivers identified in the Baseline Ecological Risk Assessment (BERA)

2 - The chemicals identified as risk drivers from the baseline ecological risk assessment are denoted as italicized and bold.

3 - Chemicals that present potential or significant or immediate risk to Upland receptors; however, the 95% UCL concentrations of the chemicals in soil are lower than ambient concentrations.

4 - The chosen PRG is the the lowest concentration of the presented criteria and is presented as a shaded cell.